

Flu Watch

MMWR Week 45: November 4 to November 10, 2018

All data are provisional and subject to change as more reports are received.

Geographic Spread



South Carolina reported **sporadic activity** this week.

Influenza Activity



Overall, there was **no change** in influenza activity this week.

Regional Influenza Activity



No change



No change



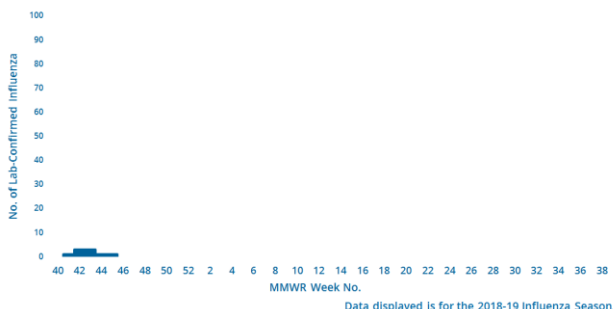
No change



No change

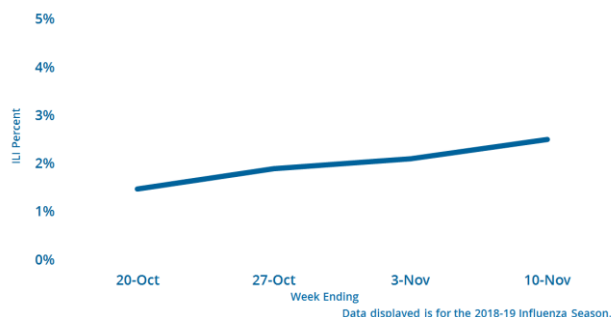
Virologic Surveillance

This week there was **1** lab-confirmed test reported. Influenza A(H1N1) was most frequently reported. In the current flu season, there has been **9** lab-confirmed tests reported.



Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was **2.47%**, which is below South Carolina's baseline (**3.53%**). The ILI activity level overall was **low**.



Influenza-Associated Hospitalizations

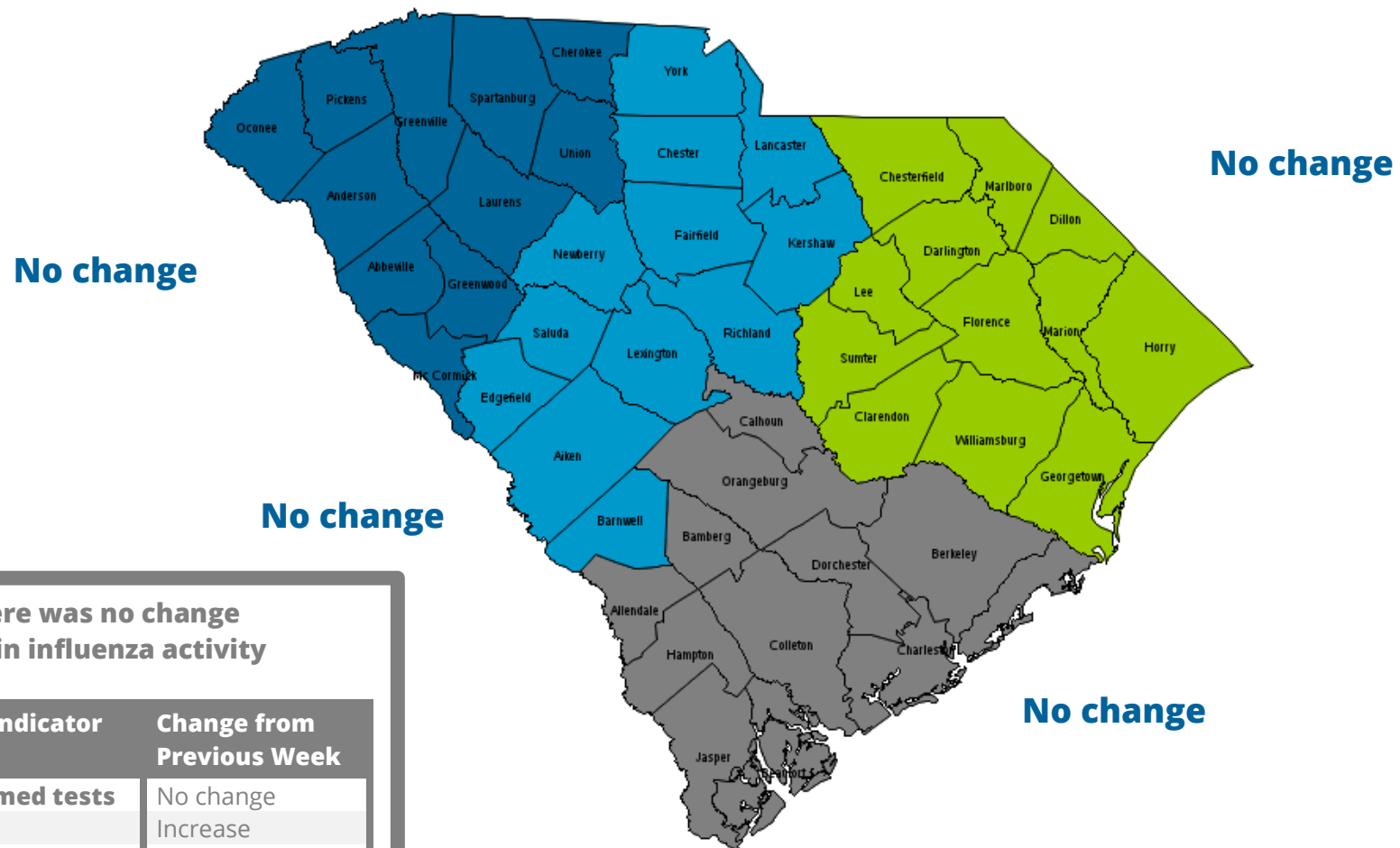
This week **16** influenza-associated hospitalizations were reported by **56** hospitals. The cumulative hospitalization rate is **1.3 per 100,000**. In the current flu season, there have been **63** influenza-associated hospitalizations.

Influenza-Associated Deaths

This week **1** influenza-associated death was reported; however, death occurred during a previous week. The cumulative mortality rate is **0.02 per 100,000**. In the current flu season, there has been **1** influenza-associated death.

Influenza Activity*

In the 4 Public Health Regions, activity showed...



Overall there was no change statewide in influenza activity

Influenza Indicator	Change from Previous Week
Lab-confirmed tests	No change
ILI Percent	Increase
Hospitalizations	No change

*Indicators for assessing influenza activity include: lab-confirmed tests, ILI percent, and hospitalizations.

Virologic Surveillance

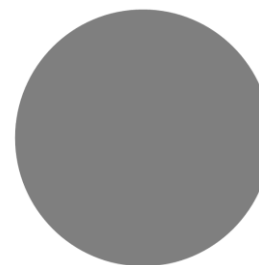
Influenza Type	Season Totals To Date					
	No. (%)	This Week	2018-19	2017-18	2016-17	5 season average
Overall		1	9	17	4	14
Influenza A		1 (100)	7(77.8)	14(82.4)	4(100)	12(85.7)
A(H3)		--	--	11(78.6)	2(50)	3(25)
A(H1N1)		1(100)	3(42.9)	--	--	6(50)
A(NS)*		--	4(57.1)	3(21.4)	2(50)	3(25)
Influenza B		0	2(22.2)	3(17.6)	0	2(14.3)
B (Victoria)		--	--	--	--	0
B (Yamagata)		--	--	1(33.3)	--	0
B (LND)+		--	2(100)	2(66.7)	--	2(100)

*NS - not subtyped

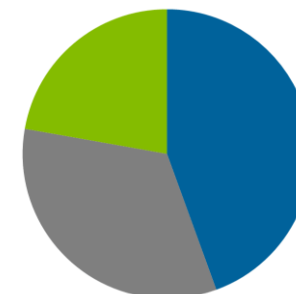
*LND - lineage not determined

Nationally, the influenza season begins with MMWR week 40 and ends with MMWR week 39. The 2018-19 influenza season began on September 30, 2018 and will end on September 28, 2019.

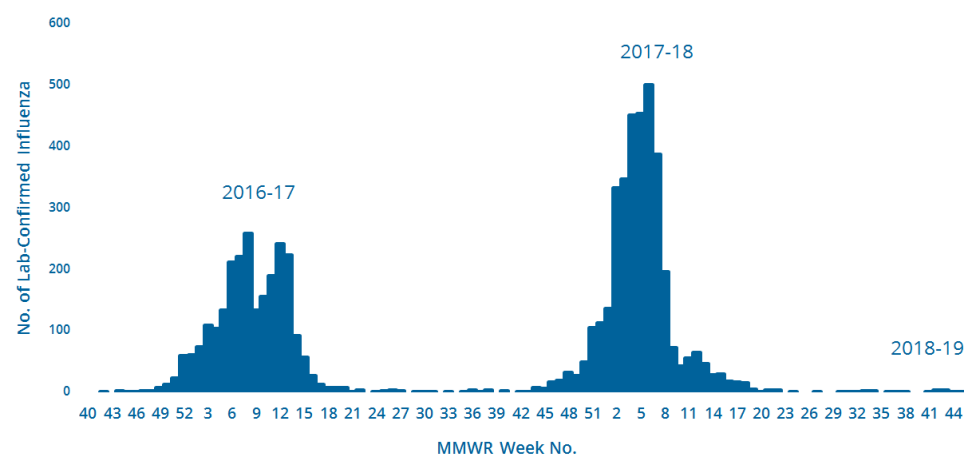
Week ending 11/10



Cumulative



■ A not subtyped ■ A(H1N1) ■ A (H3) ■ B (lineage not determined) ■ B (YAM) ■ B (VIC)



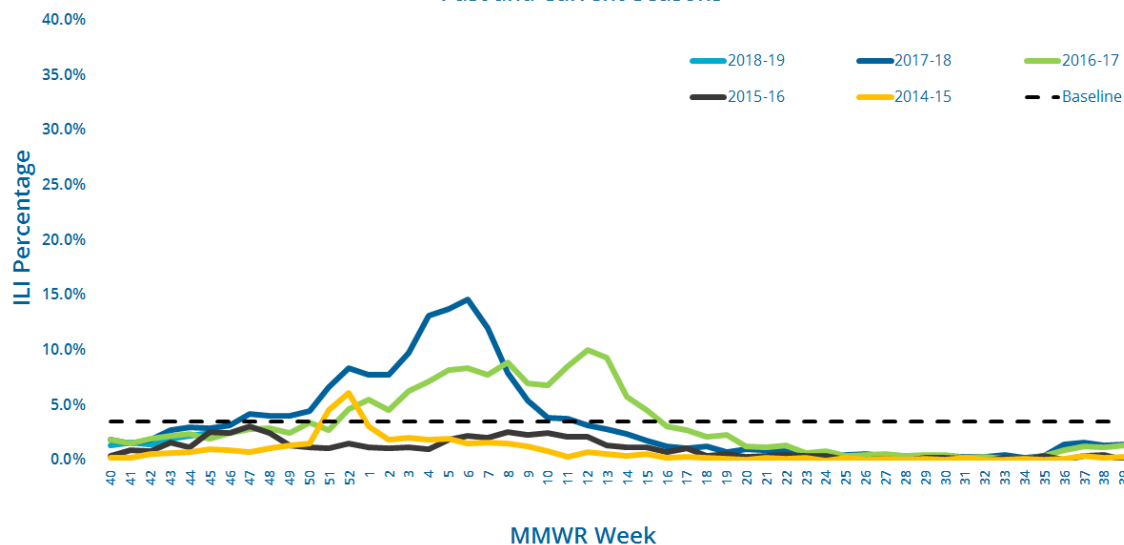
Influenza-Like Illness Surveillance

This week, the ILI activity level was **minimal** and **2.47%** of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is **below** the state baseline, **3.53%**.

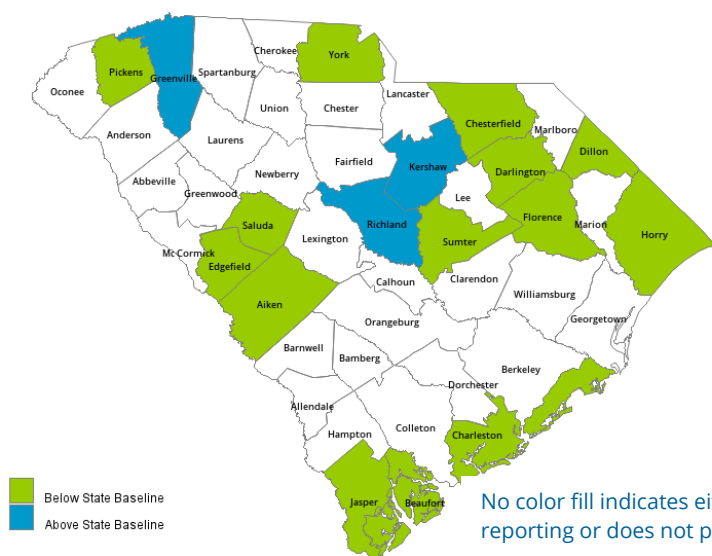
Reports were received from providers in 17 counties, representing all DHEC Public Health regions.

ILI percentage is dependent upon the number of reporting providers and/or can vary by disease activity or the number of providers submitting reports.

Percentage of Influenza-like Illness (ILI) Visits Reported by Sentinel Providers for Past and Current Seasons



County ILI Percent



State ILI Activity Level 2018-19 Calendar by Week of the Year

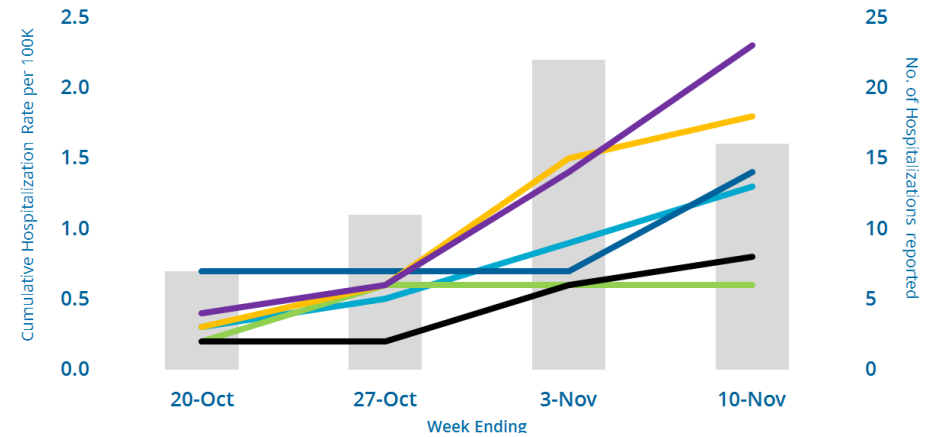
OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
40	44	48	1	5	9	14	18	22	27	31	36
41	45	49	2	6	10	15	19	23	28	32	37
42	46	50	3	7	11	16	20	24	29	33	38
43	47	51	4	8	12	17	21	25	30	34	39
		52			13			26		35	

ILI ACTIVITY LEVELS: **MINIMAL** **LOW** **MODERATE** **HIGH**

Influenza-Associated Hospitalizations And Deaths

Hospitalizations No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	16(0.3)	2(0.7)	--	4(0.2)	3(0.3)	7(0.8)
2018-19	63(1.3)	4(1.4)	5(0.6)	16(0.8)	18(1.8)	20(2.3)
2017-18	52(1.0)	3(1.0)	2(0.2)	7(0.3)	12(1.2)	28(3.2)
2016-17	30(0.6)	1(0.3)	1(0.1)	5(0.2)	10(1.0)	13(1.6)
5 season average	56(1.2)	6(2.1)	4(0.5)	10(0.5)	13(1.4)	23(2.9)

Deaths No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	0	--	--	--	--	--
2018-19	1(0.0)	--	--	--	--	1(0.1)
2017-18	1(0.0)	--	--	--	--	1(0.1)
2016-17	2(0.0)	--	--	--	--	2(0.2)
5 season average	3(0.1)	0	0	0	1(0.1)	2(0.2)



Overall Age 0-4 Age 5-17 Age 18-49 Age 50-64 Age 65 and older

Influenza-Associated Deaths by Region

